NAME - MOHAMMAD RASHID RAZA
ENROLLMENT NO - 194505382

PROGRAMME - MAPY

COURSE CODE - MPYE - 013

COURSE NAME - PHILOSOPHY OF TECHNOLOGY

Question I Discuss the social and ethnical implication of nanotechnology? Mary of the application arising from navolechnology may be the hisult of the Correlagence of serveral technologies. The technological development and its implementation do not operate in vacuum and nanotechnology will be sinflu enced by other scientific developments, social reactions and local and global polities. The extreme suffoless claim that nanoteunology can rebuild the human body from within and effectively abolish Leath, while its coities tear nat instead, it could do away with life, by turning the surface of earth into an unimbabitable grey mass. However, the social science reading can help us understand new technology in setter way that driving forces behind the technology development process and the issue of inequalities and economic divides and how society deals with visks under uncertainty. Nanotechnology is the fastest growing industry than any other in the recent history. While nanotechnology offers of portunities for society, it also involves propund Social and environmental risks, not only because it is an enabling tech to the biblech industry, but also because it involves atomic manipulation and will make possible the tusing of the biological mortel and mechanical. There is a centrical need of social implication evaluation of all nanotechnologies There is a possibility that domination of none-robos in every day life will make hougan antervention difficult, it not impossible, Another wisk is the tozard fosed to human life and health by nano particles inhaled in the factory and elsewhere. Environmentalists also questions the safety of none particles. The first concern is biological and chamecal effects of nano particles an human bodies or natural ecosystems. The second concers the issue of leackage, spillage, circulation and concentration of nanspatricles that would cause a hazard to boolies or ecosystems. The potential dangers of nonotechnologies includes nampont nano denices, military weapons, or invasive surveillance. On ethical side the issue of intellectual properties as well as the access of nano technology to developing countries have to be addressed. The public policies to protect our society from harmful development are another concerns based on strong foundation of ethics. if technology is fascinated towards control and over taking of nature, nano-tech vologing is mainly concerned with the control of nature at the most baste lovel, that is level of atomic building blocks. However nanotechnology has been generating new estimal dilemnas and in tentam we have to necessarily negotiate with a sig deal of uncertainties. The ethical theories have to be deformulated with changing context that had predominantly differenced by narrotechnology.

Question 2 (4) Technology gives birth to inequality. Critically analyze this clary. Technology is costly and need movely to use the technology world is already diveded and with the gap or rich and poor, developed and developing. Hence a foor ordeveloping nation is out of reach of technology, and every they have much investment or find to open the negeach las and do the unovation. Hence we can say technology is accessible to those only who have horge money in their poetet to avoil the deelinical Jenites like apprecione, naustechnologies and many others. Similarly nanotechnology chas not only going to change significantly but also producing inequalities in society through monopoly of technology and control over undry nothers and social groups, Companing the dowing of nanotechnology revolution to previous industrial revolutions, ETC raised the question of a decline in the well being of poor people and increased disparity between rich and poor, as only those with sufficient wealth way have access to the technology.

(3) Machine can replace Human being. Do you agree with this statement or not? hive reason for your austure. Machine can't replace human being atall, but at some point it will case the laster of human being as an hand of human. for example Computer and office technologies or machinaries need human subtrentar to femetion. These application didn't tements a confluent help of human Machine can only change the skill of human. The repeated tesk can be automated so that a person need not to do same work continuesty but now healshe could focus on some other things and regearch to utilize the machine and use the machine as well Those days outificial intelligence, bosed application and machines are up trend but these applications only gives you and generate the contact what on they allready trained. Tony can't then like human and generate afrew idea and immoration.

Question 38

Critically evaluate the stand of Neurotheology and the mystical experiences The mystical experience have a neurological basis and spirituality and the transcendental feeling of being united with the whole cosmos is enabled and stimulated by brain. There are some basic structural and functional patterns that essential for the mystical experience. Some of brain parts involves are - A highly developed complex brain and mind connections.

- During the mystic experience some area of the Brain are metabolically more active than other although the Brain works as a whole.

- The pre troutal neuronal connections especially the right orbital and

medical surfaces - The temporal lobes and parts of the parietal lobes

- the lumber systemy

- The rest of the brain acting in coordination

Every mystical experience is highly individual experience and the mystic

MOHANNADRASHID RAZA/194505382/MPYE-013/MARY

is never able to express and interpret it for others as he actually experienced it. The mystic experience may like myriad forms because extensive areas of the night brain and involved in its manifestations. Mystic experience may originated in the brain from energies impinging on the control cortex from other dimensions. Heurological process that has evolved to allow us humans to transcend naterial existence and acknowledge and connect with a deeper more spiritual part of ourselves perceived of as an absolute, universal reality that cannects us

acception 3D

to all that is.

Explain the idea of democratization of technology.

Philosopher are concerned about the technology and came with different prespectives of philosophy of technology. Two dominant streams in this regards are theories of technological determinism and social construction. The interface of technology and society and national and ethical understanding of that Situation is the main concern of the philosophers. Marxist thought thing technology as a means of liberation argues to a socialization of its wealth

by abolition of classes. feerberg is interested in the possibility of afternative rationalizations, falticularly forms of nationalization necessary for socialism which would embody responsibility for humanity. He strongly proposes that a technological society requires a democratic prospublic sphere sensithre to technical offairs. Most of their perspective are evolved from the reflections on industrial society. These views have relevance for the contect of nano society too. Nano technology has not only going to chang significantly but also producing inequalities in society through morofoly of technology and Control over many nation and social groups. Democratization of the technology is an immediate concern laised by consions scholars and civil Society. Currently corporations, developed exotions enterpreneus and technologists are the main driving forces believed navo technology. Notly the research and its products are market oriented. There is a need to understand the driving torces and the process of decision making in relation to vario technological development. As a result technology has become crucial for economic growth of nations. At this juncture Political regulation and consensus is required to control technology change.

Questiony

Discuss the philosophical implications of chaos theory.

Choos theory shows the way aut that choos in non linear dynamical system is not random but it has got a hiddey order that helps us in making short term predictions as well as long term trends. Thus the alternative which chaos theory opens up reconciling both determinism and indeterminism yields meaningly and scientific output. This system is sensitive to initial condition and bounded. Determinism in chaos would mean that choos does not arise from same lowless televiour governed

entity entirely by law. Chaos was once considered enveloable, uncontrollable and there fore unusable, but scientists done turned the situation topsy-turny by making chaos manageable, exploitable and even invaluable. The ability to control chaos in the dynamical systems would mean that chaos theory can be put to work in a wide variety of field from laser to management technologies, chaos theory has proved to be of great value. Some of the application of chaos theory in mechanical systems include laser, encryption, chaotic circuit, engine systems and also in space and satellite mission. In natural system application can be seen in fishences, ecology and in living systems it ranges from economy, management leadeiship and military systems. Thus chaos theory in action has set the ball rolling not only with an array of scientific discoveries from. mechanical, living and complex systems, but also with far reaching Philosophical implications

Question 4 what is Puring Machine Approach & Explain

B that is furty test as number of the Alan turing was designed to provide a satisf actory operational definition of intelligence. Turing defined that intelligent behavior as the ability to achieve hunan level performance in all cognitive tarks to fool an interrogator. In his computing machinary and lutelligance Turing says the new form of the problem can be described in terms of a game which we call the imptation game, It is played by a man (A) a woman (b) and an interogalor (c) who may be of either sex. The interrogator stays in a room apout from the other two. The object of the game forthe interior Now is determine which of the other two is the man and which is the woman. He or she knows them by labels x and Y and at the end of the game he or she says, either x is A and Y is B or x is B and Y is A. The interrogator is allowed to put questions to A and B. Thus c will x please tell me the length of his or her hang Now suppose X is actually A then A must answer to the question. It is As object in the game to try to cause c to make the wrong identification. The supporter of At holds that the human brain functions tike a Mering Machine which carries out all sets of complicated computations.

write a note on the idea of Dasein.

Dasein is German word that means existence or presence. According to Heidegger, however, it must not be mistaken for a subject that is something definable in terms of consciousness of a self. Heidegger was addinant about this distinction, which carried on Hietzsche's critique oddinand subject. Dosein as a human being that is constituted by its temporof the supported and interprets the meaning of being in Time. Heidegger ality, Items as a synonym for human entity in order to employed chose this term as a synonym for human entity in order to emphasize the critical importance being has for our understanding and interpretastion of the world. Heidoggel attempted to maintain medefinition of Dasein as well all are in

Heidogger arrange everydayness. pasein doesn't spring into existence upon philosur average exploration of citself. Heidegger intended basein as a concept in

Order to provide astepping stone in the questioning of what it wears to be. when Dasein contemplates this, what seems circular in ontic terms, is recursive in an ortological sense, because it brings the necessary appearance of time to the center of attention

Discuss "The laws of thought approach of Artificial Intelligence. light thinking is the interential character of every reasoning process. Anstotle in his tamous syllogism provided patterns of argument structures that always give correct conclusions from given correct premises. In the syllogism the laws of thought play a vital role because these grues law the right explanation of sydlogistic inference. There are othere laws of thought recognised by logicians. These are traditionally called law of identity, the law of contradiction and the law of freluded Middle. These laws of thought are appropriate to different contects. The formulations appropriate as follow.

a) The law of identity asserts that it any statement is then it is the . The law asserts that every statement of the form pop

is love and that every such statement is tautology.

b) The law of contradiction asserts that no statement can be both true and talse This low asserts that every statement of the forms. ~P is talse, that is every such statement is self-contradictory and its negation is to degically true.

c) The law of Excluded-Middle asserts that any statement is either true or false. This law asserts that every statement of the form PVP is true, that is every such statement is a tautology.

In the laws of thought approach to artificial intelligence, the whole emphasis is on correct Syllogistic inference. For example.

"Socrates is a man; All men are mortal.

Merefore, socrates is mortal." In this inference, the conclusion is based on the premises according to the rules of inference.

Question

Heidegger's idea of death, Months Heidagger, who revives the pre socratic tradition, the human person is being towards death. Death does not lie at the end of life it pervades the entire life. As soon as I am born l'enter tuto the flow of time spanning from birth to death. Death is the final condition the end of my being thrown . Death is my way of being in the world, This is the finitude that characterizes all human experience. However, death is unique and singular to everyone . If there is something that is not shared, it is my death; it is my death it is my own but it remains non-representable. It always escapes me even when I will be dead, I donot possess it. Death is a part of my my everything which escapes me.

- Neurotheology Neurotheology is the study of correlations of neural phenomena with subjective experiences of spirituality and hypotheres to explain their phenomena using neurological terms. Neurotheology in other crooks is phrony corrected with identifying the mechanism underlying from the conceptualization of God Moral values, spritual experience, quilt, teith and from ascendental longings that have become an integral part of human personality. It does not address the subject of experience, beliefs, lines promptly shat may belong to another dimension of reality are also necessarily bear based. On fact the word Neurotheology at thist game would treen to combine neuron yield science with religious doctrine.
- Absolute Unitary Being The absolute unitary being is the form of mystical experience where the partitioner experiences an obliteration of the suf-other dicto-dony. She feels totally one with such a seing thereby giving up has anni identity. It is believed that postentor superior partietal dota is responsible for the sense of space and the distriction of Suspect and object his an normal pencephon, while the tatal deafferentation of the light PSPL result in the obliteration of the sufformation of the light PSPL generalis assents of assolute towns scendent address.
- FF The Julia set The Julia set was obscovered by Caston Julia and Piene Fator. The Julia shares onemy close relation with Mandelthot set. It is the difference in function ilevation that seprates Julia set and Mandelthot set. The Mandelthot set iterates 2=2+tc with 2 always starting at 0 and varying the c value, The Julia set iterates z=2+tc c for a treed confine and varying z value, while the Julia set iterates z=2+tc c for a treed confine and varying z value, while the Julia set in the dynamical stare of the z plane. The Mandelthot set is in the Parameter space of c plane.
- Hyperreal Hyperreal is used in Semiotics and postmodern philosophy to describe a hypothetical instability of consciousness to distinguish reality from faintary, a hypothetical instability of consciousness to distinguish reality and an array especially in technologically advanced cultury live ones. Hyperreality is a menty to characterize the way consciousness defines und title an original event of experience. Most aspects of hyperreality can be thought of as reality hyperry. Thus contemporary society bluss the distinction between real, amaginary and hyperreal. Month for practical purposes such words are still useful, in fact the blurring of the boundaries between them is a characteristic teality of contemporary society.